

Title (en)
BLADE MEMBER, AND EDGE WORKING APPARATUS FOR THE BLADE MEMBER

Title (de)
KLINGENELEMENT UND KANTENBEARBEITUNGSVORRICHTUNG FÜR DAS KLINGENELEMENT

Title (fr)
ÉLÉMENT LAME, ET APPAREIL D'USINAGE DE BORD POUR L'ÉLÉMENT LAME

Publication
EP 2233258 A4 20160518 (EN)

Application
EP 08867886 A 20081224

Priority
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Abstract (en)
[origin: EP2233258A1] In a vacuum chamber, the edge of each blade group is subjected to an ion beam treatment under predetermined conditions using a plasma ion gun and argon as a medium, and is subjected to a plasma ion implantation of nitrogen plasma under predetermined conditions using a plasma ion implantation gun. As a result, it is possible to provide a blade member having an edge of a cutting quality enhanced by increasing the sharpness, a blade member having an edge of a rigidity enhanced by increasing the hardness, and a working apparatus capable of working those edges efficiently.

IPC 8 full level
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B26B 9/00 (2013.01 - EP US); **B26B 21/54** (2013.01 - EP US); **C23F 4/00** (2013.01 - EP US); **Y10T 83/929** (2015.04 - EP US)

Citation (search report)
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• [XY] GB 1380583 A 19750115 - GILLETTE CO [US]
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• [X] US 2003208912 A1 20031113 - PARK JAEWON [KR], et al
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• [A] WO 9640472 A1 19961219 - MATERIALS RESEARCH CORP [US], et al
• See references of WO 2009084552A1

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